

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/524,803  
Applicant: Takaaki KISHIGAMI, et al.  
Filed: February 16, 2005  
Title: RADIO COMMUNICATION SYSTEM, RADIO COMMUNICATION  
METHOD, AND RADIO COMMUNICATION DEVICE  
TC/A.U.: 2631  
Examiner: To Be Assigned  
Confirmation: 1028  
Docket: MAT-8669US

**SUPPLEMENTAL**  
**INFORMATION DISCLOSURE STATEMENT**

***Mail Stop PCT***

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of the references listed on the 1449 form is enclosed.

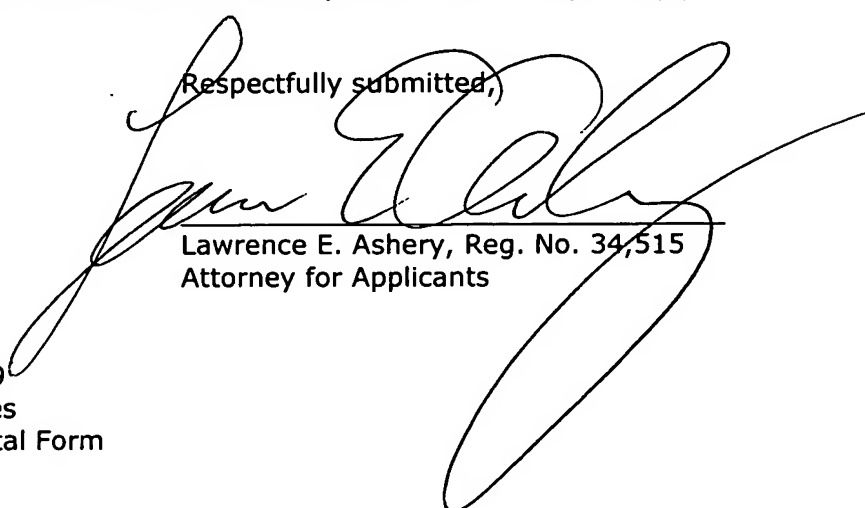
Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application or before mailing of the first

Official Action. No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/fp

Enclosures: PTO Form 1449  
(#2) References  
1390 Transmittal Form

Dated: April 20, 2005

P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
KATHLEEN LIBBY

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<b>Substitute for Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>	<b>Complete if Known</b>	
	Application Number	<b>10/524,803</b>
	Filing Date	<b>February 16, 2005</b>
	First Named Inventor	<b>Takaaki KISHIGAMI, et al.</b>
	Art Unit	<b>2631</b>
	Examiner Name	<b>To Be Assigned</b>
<b>SHEET 1 OF 1</b>	Attorney Docket No.	<b>MAT-8669US</b>

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		QUENTIN H. SPENCER, et al., "An Introduction to the Multi-User MIMO Downlink," IEEE Communications Magazine, October 2004, pp. 60-67.	<input type="checkbox"/>
		QUENTIN H. SPENCER, et al., "Zero-Forcing Methods for Downlink Spatial Multiplexing in Multiuser MIMO Channels," IEEE TRANSACTIONS ON SIGNAL PROCESSING, Vol. 52, No. 2, February, 2004, pp. 461-471.	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO:**  
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